

09974942 "101101

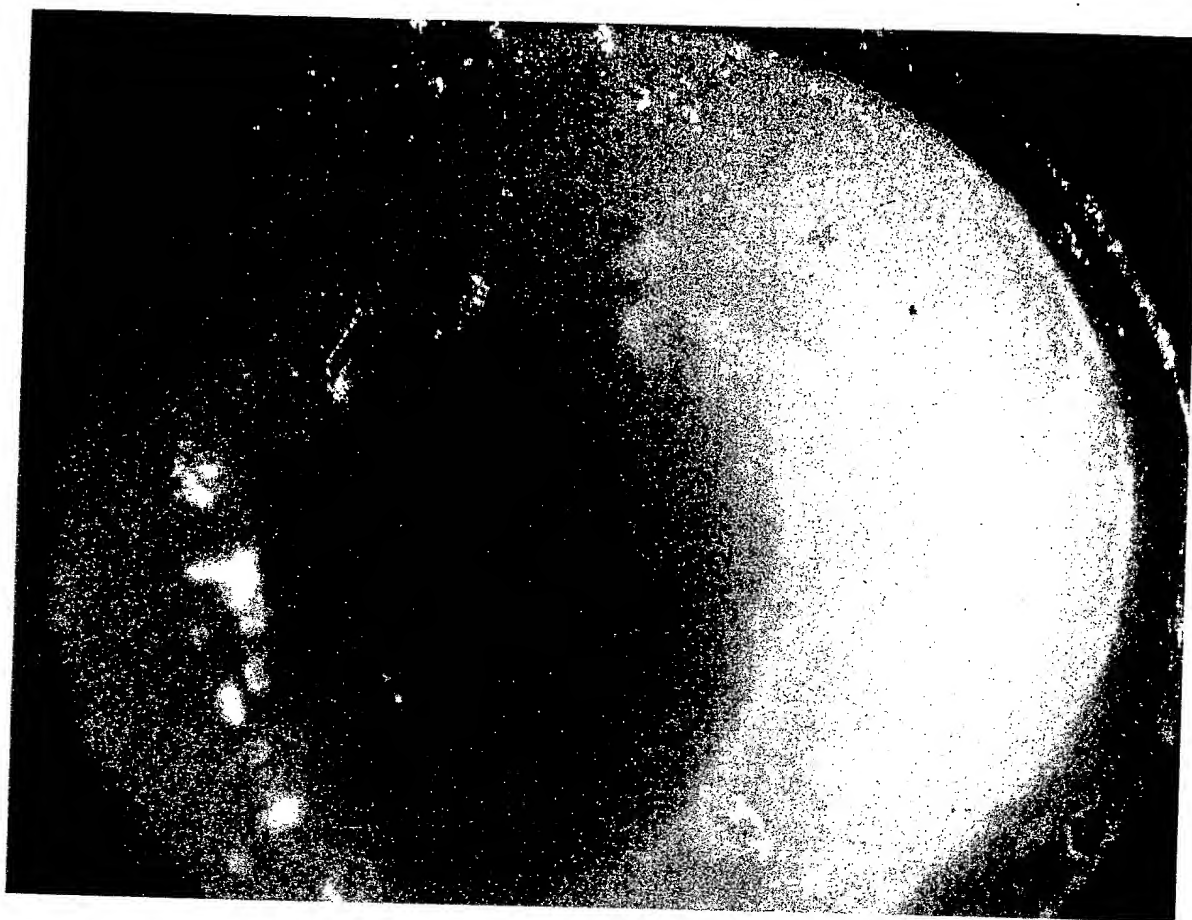


Fig. 1

TOTOT "24644660

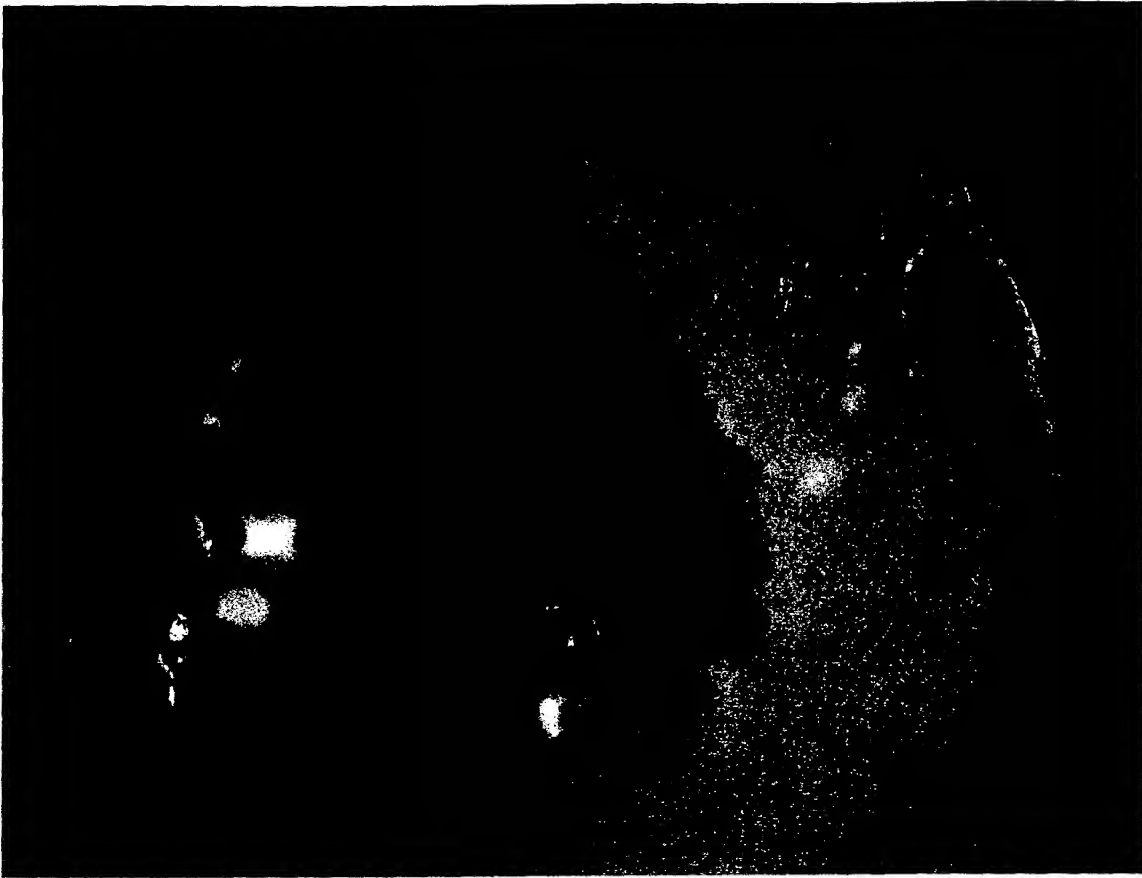


Fig. 2

TOTTOT" 24644660



Fig. 3

**Blood Glucose Level After An Oral Insulin  
In 5 NIDDM and 3 IDDM**

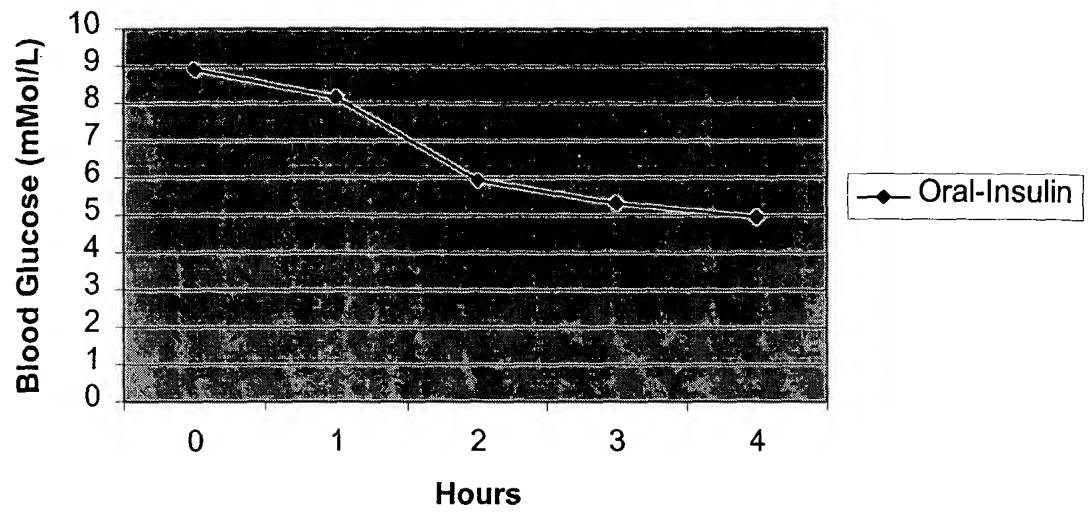


Fig. 4

**Serum Concentration of Oral-Insulin**

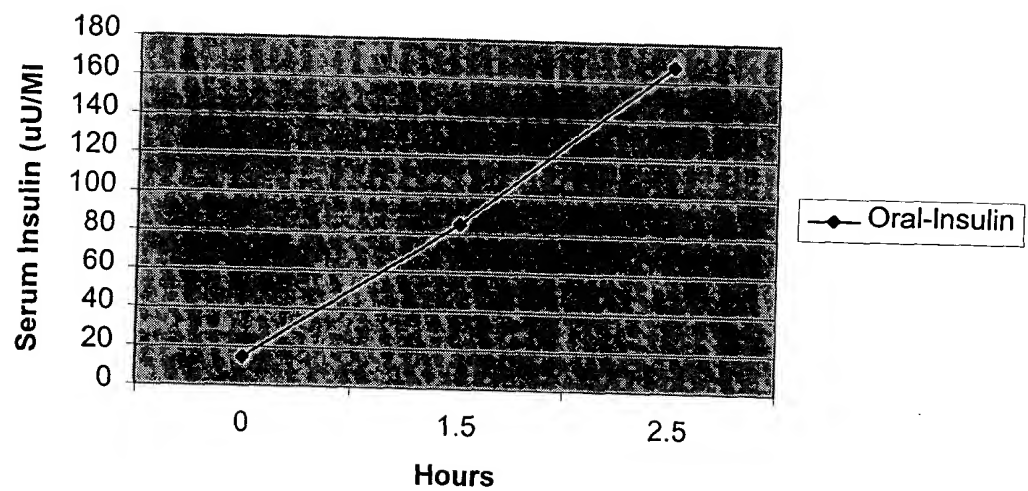


Fig. 5

## Hepatic Portal Blood

Oral Insulin Injected\*

( $\mu$ U/ml)

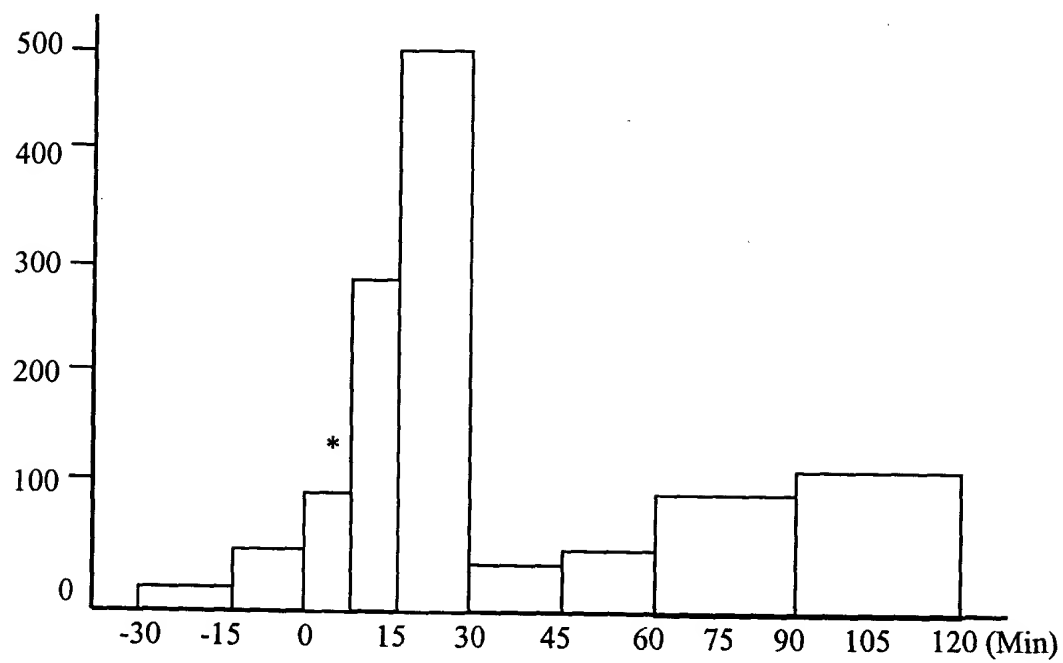


Fig. 6

# **Lymph Fluid**

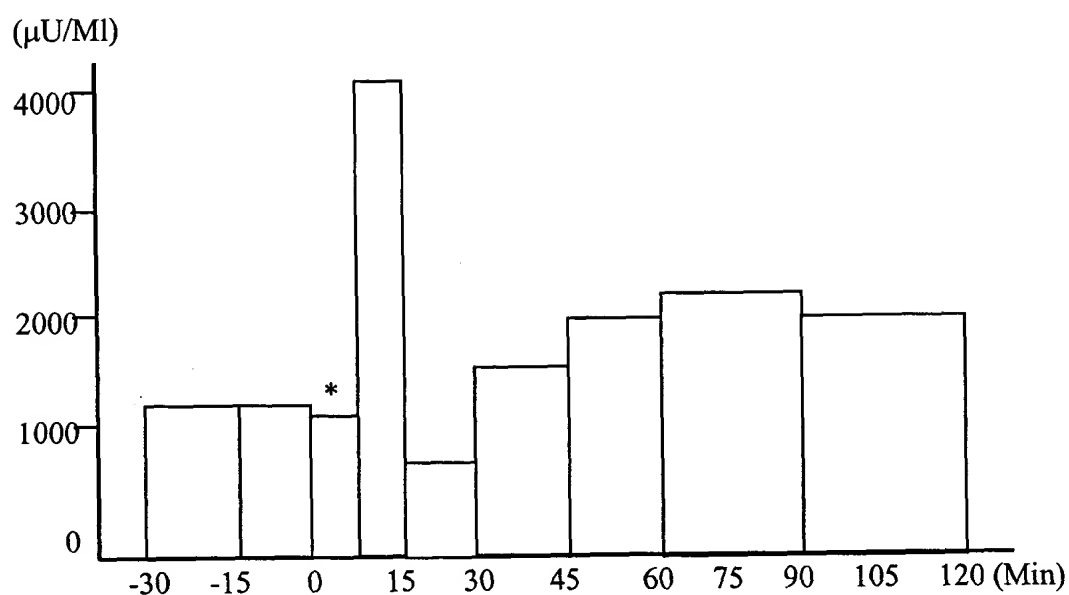
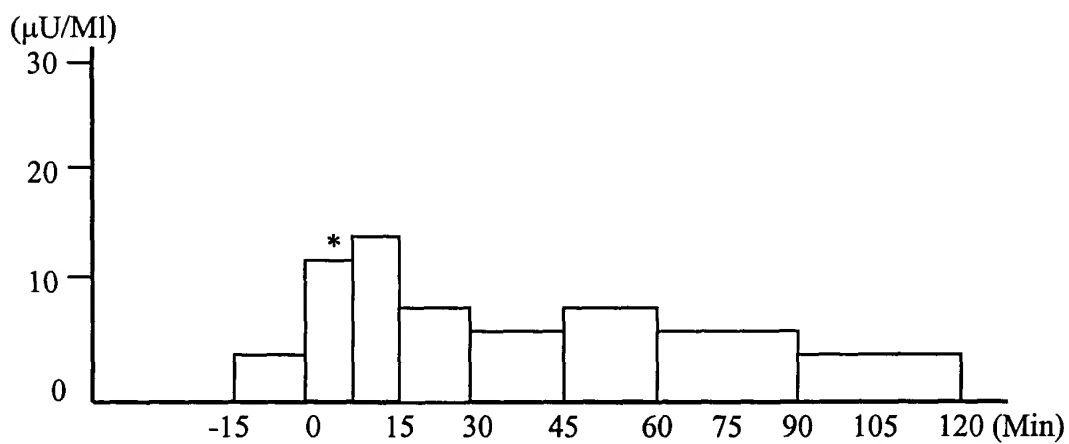


Fig. 7

# **Peripheral Venous Blood**



[\*Time of Infusing the Pro-Micelle form of Oral Insulin into the Duodenum]

Fig. 8

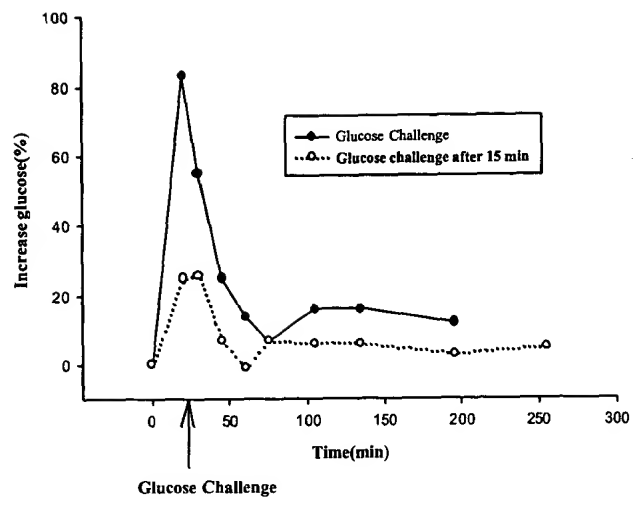


Fig. 9

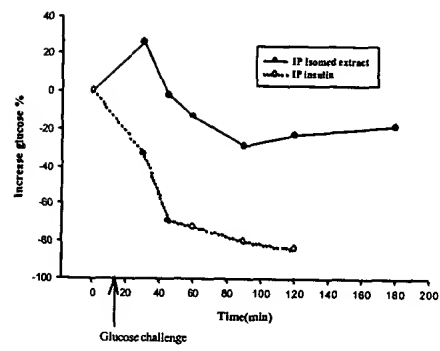


Fig. 10

Figure 1 is a line graph showing the increase in glucose percentage over time (0 to 140 minutes) for two groups: IV-isomed extract (solid line with solid circles) and IV-insulin (dotted line with open circles). The y-axis represents 'Increase glucose%' ranging from -40 to 40. The x-axis represents 'Time(min)' ranging from 0 to 140. A vertical arrow at 0 minutes indicates the 'glucose challenge'.

Time (min)	IV-isomed extract (%)	IV-insulin (%)
0	0	0
15	29	5
30	1	-33
45	-21	-35
60	-21	-24
90	-8	1
120	-18	18

Fig. 11